

## ABSTRACT

The invention provides methods and systems for performing optical dermatology employing a plurality of optical radiation sources that can be selectively operated in a predetermined pattern or sequence. An optical dermatology apparatus is disclosed having a mount adapted for positioning in proximity of an area of a patient's skin, one or more radiation sources disposed in the mount for irradiating at least a portion of the area of the patient's skin, and a control circuitry electrically coupled to the radiation sources for actuating a selected pattern or sequence of the radiation sources for performing a treatment protocol. The mount can be shaped to substantially conform to a patient's body part, such as a face mask. The invention also discloses using one or more sensors disposed in the mount such that the patient's skin can be monitored. A computer in communication with the applicator can receive data from the sensors and transmit control signals to the control circuitry based on analysis of the data.

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